INTERCOLLEGIATE
BROADCASTING
SYSTEM

NEWSLETTER

59/60 - 6 MARCH, 1960

the lead stories . . . . . .

NATIONAL MEETING DATE SET FOR APRIL 30 IN NEW YORK;

PROGRAM CONTEST UNDERWAY WITH $30 PRIZE;

FM DEPARTMENT FORGES AHEAD ON TRIAL LOW-POWER COMMERCIAL APPLICATION.

NATIONAL MEETING: The plans are being crystalized for the IBS National Meeting to be held in New York. President Borst, reporting on a conference with WKCR (Columbia) Manager John Pegram, has written Meeting Chairman Coons that the date has been fixed at April 30.

The meeting will be held in the brand-new studios and student union building at Columbia University. Tentative plans for the meeting include seminars in various phases of radio, a lecture by a well-known radio network personality, a discussion of IBS activities in Washington including FM and FCC business, and other correlative activities.

Although the meeting will be centered around Saturday's activities, the evening will include a banquet for those station personnel who are able to attend.

If there is sufficient demand, IBS will arrange more affairs for Sunday, and, in addition, there are plans to enlist use of Columbia facilities for those who wish to stay overnight in New York City.

A questionnaire will be sent to stations soon to survey interest; in addition all stations in the System will receive news releas es regarding the meeting plans as they are finalized.

PROGRAM CONTEST: Terry Bateman, IBS Program Manager, has announced the IBS Twentieth Anniversary Program Contest. The goal of the competition is to choose the station producing the best program in the System.

The award will be 24 reels of Scotch 111A recording tape or $30 to the winner. Alternately, the winning station may elect a free year's dues in IBS.

The tape must be in Bateman's hands by March 31st. The winning entry will be announced and available for audition by staff members at the National Meeting on April 30.

If your station did not receive an entry form, mail your tape with all information to Terry Bateman, IBS Program Department, Chase D-26, Boston 63, Massachusetts. Once again, all entries must be in by March 31.

The IBS Newsletter, Published by the Intercollegiate Broadcasting System at Storrs, Connecticut, for member stations monthly October thru May inclusive.

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FM ON THE MOVE: Charles Quigley, IBS FM Department Manager, reports that he is moving ahead with station WHUS on preparation of a test low-power commercial FM application.

"At this point," says Quigley, "WHUS is half-way through finalizing a rough draft of their application." It is expected that the application will be completed in time for filing before the end of the semester.

In reviewing the story, it is important to point out why WHUS was selected for the first applicant. Located at the University of Connecticut, WHUS operates an educational FM transmitter with an ERP of 10 watts in addition to the campus carrier current AM outlet. IBS Treasurer Richard Crompton, a member of the engineering faculty of the University, is the faculty advisor to this station which is already a properly documented organization currently holding the educational form of license.

As a test case, therefore, WHUS has the advantage that the only waivers needed, as well as the only change in status, will be in regard to the class of operation. All other factors are known, including physical coverage, listenership, program makeup, etc..

In addition, as a state university, not operated by any particular private organization, the station's parent college has the least susceptability to criticism on any bias matter. These are the reasons that Quigley, with the full consent of the IBS Board, chose to work closely with WHUS as the first applicant.

An important note to remember is that this application, if it is to succeed, must be perfect. If any stations have any thoughts of this class of operation, they should be sure to work through Quigley, rather than independently, so as not to jeopardize their own ultimate chance of operation.

REGIONAL ACTIVITY: Since the Board meeting last month, IBS President Dave Borst has been working overtime getting the system's haggard regional organization in order. Faced with a terrific shortage of regional personnel, Borst sent out a letter to stations in almost every region urging their cooperation in developing new talent for this critical IBS job.

On February 23, Dave reported to the NEWSLETTER that "We have only two active regional directors at present, Blackman in the Empire Region and Tharp in the Capital Region." Since then, by recruiting like mad, he has wipped up many leads from schools including Yale, Ottowa, Miami, and Stanford. John Bulack, freshman at Temple station WRTI, has jumped into the Middle Atlantic Regional Directors' shoes already.

Borst is anxious to have volunteers for the organizational job; when he appoints a man, the appointee usually uses the spring to stir up a regional meeting, at which a regular one-year-term director is elected. In addition to providing IBS with a personnel pool for national operations, the Regional Directors invariably contribute to inter-station understanding and IBS services to stations.

Anyone interested in more information can get it by writing David W. Borst, 319 Spring Valley Road, Springfield, Delaware County, Pennsylvania.

IBS WELCOMES THREE NEW MEMBERS: New additions to the growing IBS family are WXPN at the University of Pennsylvania, WCHC at Holy Cross College in Worcester, Mass., and WRTI at Temple University in Philadelphia.

UNCLE GREG WANTS YOU: With spring coming in like a lion around the country (?), Greg Tuchay, IBS Public Relations Associate, is joining President Borst and the rest of the staff of IBS in a nationwide intensive membership campaign.

Starting off the promotion with a letter from Borst to all non-member stations across the country on February 26th, Tuchay is following up with personal letters, invitations to the National Meeting on April 30th, and other symbols of the welcome mat that's out for newcomers.

The goal of the campaign is to get IBS up to it's full level of membership (rightfully everyone in the nation since IBS serves others by its FCC activities).

More important than the new members as individuals is the group effect that they can have; doubling the size of the System would enable IBS to more than double the quality and increase the quantity of services to members. Such things as better printing, Master Handbook binders, more complete publications, regional meetings, etc., would become a reality rather than a daydream.

If you know of any station that isn't an IBS member, why not tell them why you're in; why they should attend the meeting in April; and who they can contact about membership?

TREASURER'S REPORT: System Treasurer Crompton, with an eye on the ledgers, points our (again) that dues are long overdue from East Carolina College, Catholic University, Mississippi College, and Western Carolina College. The extraction process is painfull - on the Treasurer - who weilds many different kinds of pliers and a strong right arm.

The report comes as a suitable conclusion to Crompton's campaign since taking over as Treasurer to get rid of the "free-riders" in the System, stations who have been kept on the services lists despite being long overdue in living up to their dues obligation. It is of interest to note that the four stations listed above are behind in this year's dues only, while a year ago nearly half the membership was in arears, some as nuch as four years!

"It sure separates the business-like stations from the sloppy ones," said Crompton, as he reviewed his March 1st Dues Collection Report to the Board.

(ENGINEERING NEWS)

AT&T FILES BEEPLESS RECORDING TARIFF: AT&T has notified the FCC that its tariffs have been revised to permit recording of incoming interstate telephone messages without the use of the "beep" signal.

Henceforth, local telephone companies will furnish to non-published, individual business line subscribers a device which will trip on ringing current, hold the connection, send a tone to start a customer-owned recorder, send directing tones to the calling party, and disconnect at the end of the message. The subscriber's attendant may monitor the incoming call and may cut in on the circuit; but during two-way conversation, the recorder will stop.

The requirement of a "beep" on recorded two-way calls will continue. The rate and connection charges for the new equipment have not been made public, nor has the equipment's availability.

More Engineering News on page 4 .....

(ENGINEERING NEWS, cont'd.)

A TRANSISTORIZED AUDIO AMPLIFIER[1]: This two-watt transistorized audio amplifier features good stability and uses non-critical transistors, requiring no bias adjustments. Frequency response is flat over the audio range, and distortion is low. It offers an input impedance of 1,000 ohms; output impedance (looking back from the transformer primary) is approximately 310 ohms. For full power output, the signal source must be capable of supplying 1.2 volts at low distortion into the 1,000 ohm input impedance. Power gain is then 31 db.

A variation takes advantage of the high input impedance of the 2N652, which is approximately 15,000 ohms. The circuit shown in Figure 2 will provide an additional 12 db of gain.

Supply voltage in both cases is -14 volts.

This circuit is particularly well adapted to monitoring applications.

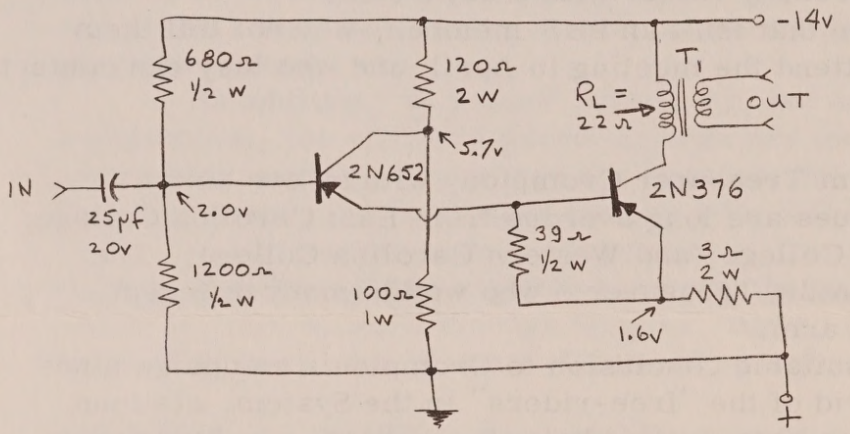

Figure 1.

Basic Circuit

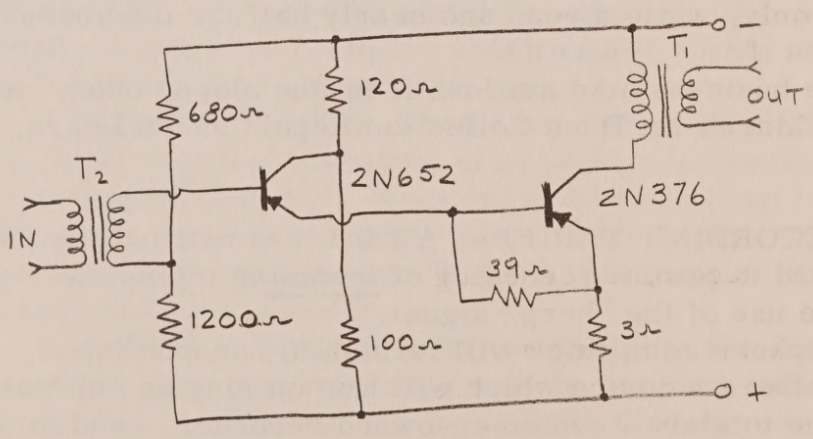

Figure 2.

Possible Modification

[1] Based on article by William D. Roehr, in IRE Transactions on Audio, Sept., 1959.

FOOLPROOF AC - DC SWITCHING: It is well known that in order not to damage tubes in a circuit the AC voltages to a system should be applied before the DC. Normally, two switches are supplied for this purpose. However, errors have arisen whereby the DC switch has been turned on before the AC. In order to circumvent this, the circuit shown in Figure 3 can be applied.

With both switches off, no filament or plate voltage is applied. Actuating any one of the switches turns on the filaments. Actuating the second applied plate voltage to the rectifiers. It will be seen that it is immaterial which switch is

(cont'd. from page 4)
thrown first. In reverse, whichever switch is turned off first cuts out the plate supply voltage. (Morris Suntop, Dev. Eng., Remington Rand, Utica, N.Y.)
By permission of ELECTRONIC INDUSTRIES, December 1959.

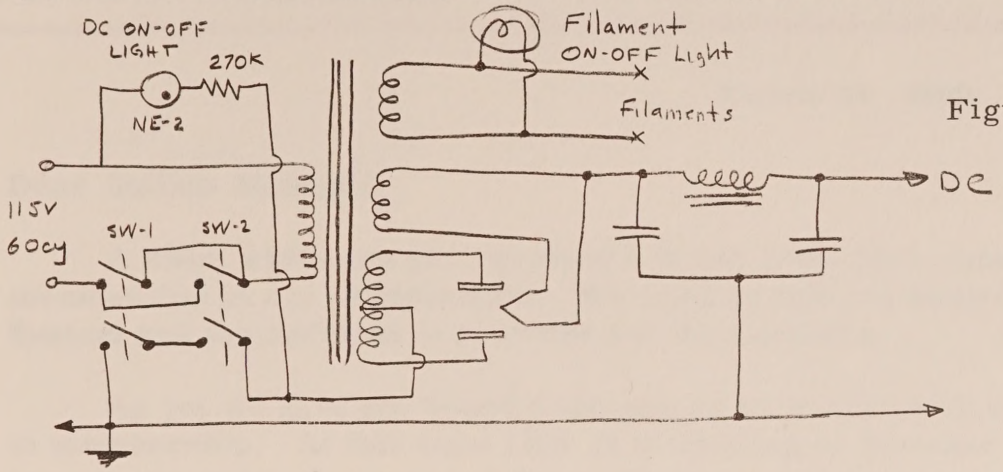

Figure 3.

When connecting power, be sure "hot" lead is connected to the indicator light side.

(PROGRAM NEWS)
BILL SEIBEL, a member of the faculty at Temple University, has been anmed a Program Associate by Program Manager Terry Bateman and President Borst.

Seibel is particularly interested in IBS Program work, and is setting up a "program Development Office" at WRTI. Although still in the formative stages, Borst and Bateman have both expressed their enthusiasm for the new sphere of activity in memos of February 24th to Seibel.

(STATION NEWS)
WRSE, Elmhurst College, sends along info that its officers for the current year include David Knicker, Director; A. Allan Pons, Ass't. Director; Guy Grasher, Business Manager; and Dr. Donald R. Low, Faculty Advisor.

WETN, Wheaton College, Wheaton, Illinois, sent nine staff members up to a radio clinic at Ripon College, Ripon, Wisconsin, on February 13th. In addition to a review of the goings-ons at the meeting, George Toles, Station Manager, included a schedule of WETN programs for the second semester. Listed: sixty-four hours per week of balanced programming!

WRTI, Temple University in Philadelphia, sends along its program schedule for surveillence. The booklet includes a complete series of biographical sketches of the staff of WRTI, and in addition reviews some of their thinking on radio and its role at colleges. The schedule, too, is included .... and a very complete one.

WKCR, Columbia University, reaches New York City with 4200 watts of FM, according to a News Release forwarded from the station. The release includes the remark that the program "Classroom" is a 45 minute feature made up of an actual classroom session, broadcast in prime evening time on a non-credit basis. The program, the only one in New York of that character on in the evening, enjoys a devoted audience. It is only one of the many WKCR features.

(BOOKS) McGraw-Hill announces that the NAB Engineering Handbook is now in press. This is the long-awaited fifth edition of the broadcaster's bible.

Intercollegiate Broadcasting System
Storrs, Connecticut

The IBS NEWSLETTER
for March 1960

Printed Matter

Manager
Station WHRC
Haverford College
Haverford, Penn.

"this is the Intercollegiate Broadcasting System"